



SEQUENCE LISTING

#6
RECEIVED
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TECH CENTER 1600/2900

<110> Mirkin, Chad A.
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<120> NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
AND USES THEREFOR

<130> 00-713-i17

<140> 09/976,978

<141> 2001-10-12

<150> 09/603,830

<151> 2000-06-26

<150> 09/344,667

<151> 1999-06-25

<150> 09/240,755

<151> 1999-01-29

<150> PCT/US97/12783

<151> 1997-07-21

<150> 60/031,809

<151> 1996-07-29

<150> 60/200,161

<151> 2000-04-26

<160> 64

<170> Microsoft Word 2000

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

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synthetic sequence

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20

<210> 2

<211> 20

<212> DNA

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 synthetic sequence

<400> 2
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<210> 3
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<220>
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 synthetic sequence

<400> 3
 ccttgagatt tccctc 16

<210> 4
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 synthetic sequence

<400> 4
 gagggaaatc tcaagg 16

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 synthetic sequence

<400> 5
 aacttgcgct aatggcga 18

<210> 6
 <211> 26
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aagttgcgct ttacggctaa tggcga

26

<210> 7

<211> 15

<212> DNA

<213> Artificial Sequence

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synthetic sequence

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tctccttccc ttttc

15

<210> 8

<211> 15

<212> DNA

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synthetic sequence

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gaaaagggaa ggaga

15

<210> 9

<211> 15

<212> DNA

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synthetic sequence

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cttttcctt cctct

15

<210> 10

<211> 28

<212> DNA

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<220>

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synthetic sequence

<400> 10

aaacgactct agcgcgtata gttgcat

28

<210> 11

<211> 28

<212> DNA
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synthetic sequence

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atggcaacta tacgcgctag agtcgttt

28

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cctatcgacc atgct

15

<210> 13
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<400> 13
agcatggctg ataggaaacg actctagcgc

30

<210> 14
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synthetic sequence

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gcgctagagt cgttt

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synthetic sequence

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agcatggtcg ataggatggc aactatacgc 30

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synthetic sequence

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gtcgatagga aacgactcta gcgc 24

<210> 17
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synthetic sequence

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agcatggttg ataggaaacg actctagcgc 30

<210> 18
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agcatgtttg ataggaaacg actctagcgc 30

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synthetic sequence

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tctcaactcg ta 12

<210> 20
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<400> 20
cgcattcagg at

12

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synthetic sequence

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tacgagttga gagagtgtccc acat

24

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

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synthetic sequence

<400> 22
tacgagttga gaatcctgaa tgcg

24

<210> 23
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synthetic sequence

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24

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synthetic sequence

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tacgagttga gactcctgaa tgcg

24

<210> 25

<211> 23

<212> DNA

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synthetic sequence

<400> 25

tacgagttga gaatcctgaa tgc

23

<210> 26

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:random
synthetic sequence

<400> 26

tacgagttga gacatcctga atgcg

25

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

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synthetic sequence

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tacgagttga gaatcctgaa tgcg

24

<210> 28

<211> 12

<212> DNA

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<223> Description of Artificial Sequence:random
synthetic sequence

<400> 28
taggacttac gc

12

<210> 29
<211> 48
<212> DNA
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synthetic sequence

<400> 29
tacgagttga gaccgttaag acgaggcaat catgcaatcc tgaatgcg

48

<210> 30
<211> 24
<212> DNA
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<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 30
tgcatgattg cctcgtctta acgg

24

<210> 31
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 31
tacgagttga gaccgttaag acgaggcaat catgcatata ttggacgctt tacggacaac 60
atcctgaatg cg 72

<210> 32
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 32
gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg

48

<210> 33
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 33
tctcaactcg ta 12

<210> 34
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 34
tacgagttga gaatcctgaa tgcg 24

<210> 35
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 35
cgcattcagg at 12

<210> 36
<211> 141
<212> DNA
<213> anthrax

<400> 36
ggcggatgag tcagtagtta aggaggctca tagagaagta attaatcgt caacagaggg 60
attattgtta aatattgata aggatataag aaaaatatta tccaggggta tattgtagaa 120
attgaagata ctgaagggct t 141

<210> 37
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random

synthetic sequence

<400> 37
taacaataat ccctc 15

<210> 38
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 38
atccttatca atatt 15

<210> 39
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 39
tgagcctcct taactactga ctcacccgcc 30

<210> 40
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 40
tgttgacgaa ttaattactt ctcta 25

<210> 41
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 41
tataaccctg gataatattt ttcttat 27

<210> 42
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 42
aagcccttca gtatcttcaa tttctacaa

29

<210> 43
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 43
tctcaactcg taaaaaaaaa aa

22

<210> 44
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 44
tacgagttga gaatcctgaa tgcg

24

<210> 45
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 45
aaaaaaaaaa cgcattcagg at

22

<210> 46
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 46
tctcaactcg taaaaaaaaa aa 22

<210> 47
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 47
aaaaaaaaaa cgcattcagg at 22

<210> 48
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 48
tacgagttga gaatcctgaa tgcg 24

<210> 49
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
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synthetic sequence

<400> 49
ctacttagat ccgagtgccc acat 24

<210> 50
<211> 12
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<220>
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synthetic sequence

<400> 50
cgcatcagg at 12

<210> 51
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 51
aaaaaaaaaa aaaaaaaaaa cgcatcagg at 32

<210> 52
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 52
cgcatcagg atwwwwwww wwwwwwww ww 32

<210> 53
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 53
atcctgaatg cg 12

<210> 54
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
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synthetic sequence

<400> 54
atcctgaatg cg 12

<210> 55

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 55
aaaaaaaaaa aaaaaaaaaa 20

<210> 56
<211> 27
<212> DNA
<213> Anthrax

<400> 56
ggattattgt taattattga taaggat 27

<210> 57
<211> 12
<212> DNA
<213> Anthrax

<220>
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<223> n stands for a, g, c, or t

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taacaatnat cc 12

<210> 58
<211> 15
<212> DNA
<213> Anthrax

<400> 58
atccttatca atatt 15

<210> 59
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 59
tctcaactcg ta 12

<210> 60
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 60
tacgagttga gaatcctgaa tgcg 24

<210> 61
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 61
gcgtaagtcc taacgtacta acggagcaga attgccagag ttgagcat 48

<210> 62
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

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gcgtaagtcc tacaacaggc atttcgcagg ttatatacgt actaacggag cagaattgcc 60
agagttgagc at 72

<210> 63
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:random
synthetic sequence

<400> 63
tgcattgattg cctcgtctta acgg 24

<210> 64
<211> 48
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:random
synthetic sequence

<400> 64

gttgtccgta aagcgtccaa tatatgcatg attgcctcgt cttaacgg

48